INDEX TO VOLUME 29

AUTHORS INDEX

In the index following the author's name, the title of the subject is given as it appeared in the JOURNAL.

A

ALBANESE, ANTHONY A. Determination of ammonia in the urine, 447
ALFORD, W. C., AND PALMES, E. D. A micromincer to facilitate preparation of tissue extracts, 1104
ALLEN, CHESTER, JR. (*See* RIGDON AND ALLEN), 28
ALPERT, BARNETT B. (*See* FEINBLATT, ALPERT, AND FERGUSON), 366
ANDERSON, ARTHUR K. (*See* DENKO AND ANDERSON), 1168
ANNEGERS, J. H., SNAPP, F. E., IVY, A. C., AND ATKINSON, A. J. The effect of bile acids on the biliary excretion of neoarsphenamine and mapharsen, 853
ATKINSON, A. J. (*See* ANNEGERS, SNAPP, IVY, AND ATKINSON), 853
AVERILL, EARL. (*See* TOOMEY, LEWIS, AVERILL, DRURY, AND TAKACS, 21

B

BADER, MADERO N. (*See* DERNEHL, BADER, AND BARTLETT), 978
BAKER, JULIA. A note on a possible allergic factor in altitude sickness, 831
BARNARD, ROBERT D. Suitability of serum from recalcified human plasma for some serodiagnostic tests for syphilis, 1287
—. The effect of the distal application of a sphygnomanometer cuff on localized venous pressure and as an aid in venipuncture, 539
BARTLETT, LUIS H. (*See* DERNEHL, BADER, AND BARTLETT), 978
BAUER, WALTER. (*See* WAINE, BAUER, AND BENNETT), 19
BECKMAN, HARRY, AND SMITH, JANE. The apparent advantage of frequently administered quinine in avian malaria infections, 43
BEITER, JOHN J. (*See* BOHROD AND BEITER), 994
BENIANS, T. H. C. A vasospastic factor in the serum of a case of Raynaud's disease with cold agglutination. Experiments on rabbits, 1074
BENNETT, GRANVILLE A. (*See* WAINE, BAUER, AND BENNETT), 19
BENNETT, RICHARD H. (*See* LOUGHLIN, BENNETT, AND FLANAGAN), 568
—. (*See* LOUGHLIN, BENNETT, FLANAGAN, AND SPITZ), 921
BERNHARD, WILLIAM G., AND JORDAN, ARTHUR C. Bilateral adrenal hemorrhage (Waterhouse-Friderichsen syndrome) associated with meningococcal septicemia, 357
— AND —. Purpuric lesions in meningococcic infections, 273
BIERBAUM, OLGA S. (*See* HEMPELMANN, REINHARD, MOORE, BIERBAUM, AND MOORE), 1020
BIERMAN, WILLIAM, SHWARTZMAN, GREGORY, AND ROSENBERG, SYLVIA I. The effect of chemotherapeutic sulfa drugs upon the growth of α-hemolyticus Streptococcus, 454
BILLOW, BENNETT W. Barbiturate intoxication and picrotoxin treatment, 265
BLAIR, DOROTHY. (*See* VAN LOON AND CLARK), 942
BLANKSTEIN, SAMUEL S. (*See* ENZER, SIMONSON, AND BLANKSTEIN), 63
BLOOM, NATHAN, AND WALKER, HARRY. Nodal rhythm and bundle branch block following aspirin hypersensitivity, 595
BLUMBERG, BERNARD L. (*See* HART AND BLUMBERG), 749
BOCK, JOSEPH C. Laboratory supports, 536
BOHAN, JOHN L., AND LUSK, FRANK B. The diagnosis and treatment of epidemic cerebrospinal meningitis, 585
BOHROD, MILTON G., AND BEITER, JOHN J. Photography in color of fixed pathologic specimens, 994
BOJAR, S. (*See* SHAPIRO, TARLOV, OLIVER, GOLDFARB, BOJAR, KASLOW, AND ROCKENMACHER), 282
BOYD, CHARLES D. (*See* HORN, J. MORRIS), 228
BRIDGE, EZRA, THURSTON, ARELYN, AND REPICCI, ANTHONY. Cold agglutinins in tuberculosis, 936
BRODY, D. A., AND QUIGLEY, J. P. Application of the "inductograph" to the registration of movements, particularly of body structures such as the pyloric sphincter, 863
BRONFENBRENNER, J. J. (*See* KALMANSON AND BRONFENBRENNER), 684
BRONSTEIN, LEWIS H. (*See* POTTER AND BRONSTEIN), 703
BROWN, ROBERT V., O'BRIEN, ELWIN J., AND ROOK, CHARLES W. A simple electron tube drop recorder, 410
BROWN, ROYAL L. On the care of human sperm, 211
BROWN, WILLIS E., WILDER, VIOLET M., AND SCHWARTZ, PAULINE. A study of oils used for intramuscular injections, 259
BUEGER, MARTIN. Microscopic observation of collodion particle agglutination in protein-antiprotein systems, 352

C

CALDWELL, M. J. (*See* PARRISH AND CALDWELL), 992
CALLOMON, FRITZ T. The pathologic changes produced by prolonged administration of sulfapyrazine and sulfamethyldiazine (sulfamerazine) in the kidneys of rabbits as compared with sulfathiazole and sulfadiazine, 574
CARES, REUBEN. A Kahn viewing device with standard illumination for reading tubes in the rack, 755
—. Dark-field diagnosis of penile lesions, 82
CARRASCO-FORMIGUERA, R. Alloxon diabetes in dogs, 510
CASPE, SAUL. The role of creatine in cell growth in vitro and its use in wound healing, 483
CASPER, G. C. An improved restraining device for hematological work with rats and mice, 981
CHAPMAN, GEORGE H. Maintenance of moisture in bacteriologic culture media, 751
—. The incidence of plasma-coagulating staphylococci in the feces of chronic invalids, 938
CHAPPLE, ELIOT D., AND VAUGHAN, WARREN T., JR. A clinical method for studying the factor of human relations in disease, 1

CHASE, AURIN M., LORENZ, PHILIP B., PARPART, ARTHUR K., AND GREGG, JOHN R. A method for simultaneous determination of methemoglobin-oxyhemoglobin ratio and per cent hemolysis in stored blood, 99

CHASE, H. F. (*See* LEHMAN AND CHASE), 561

CHRISTENSEN, W. BLAKE. A medium for determination of citrate utilization by colon bacteria, 306

CLARK, BYRON B. (*See* VAN LOON AND CLARK), 942

CLARKE, CARL DAME. Facial and body prosthesis in relation to war wounds, 667

—. (*See* CONVERSE, CLARKE, AND GUIDI), 546

COCA, ARTHUR F. The adjuvant effect of aerosol upon the germicidal action of cadmium chloride, 689

COHN, ESSIE WHITE, AND ROE, JOSEPH H. A new technique for the measurement of glycogenesis: a study of glycogen metabolism in the liver under fasting conditions, 106

COLE, VERSA V. (*See* HULPIEU AND COLE), 1134

COLEMAN, HAROLD M. (*See* MCNALLY AND COLEMAN), 429

COLEMAN, MARION B. Vi agglutinative properties for Bacterium typhosum demonstrated following infection with malaria parasites, 916

COLLIER, H. BRUCE, AND WILBUR, KARL M. Lysolecithin and the antihemolytic value of the blood, 1123

CONVERSE, JOHN MARQUIS, CLARKE, CARL DAME, AND GUIDI, HENRI. Repair of cranial defects by cast chip-bone grafts, 546

COPE, H. E. (*See* GOTTSCHALL, DEKRUIF, COPE AND LAURENT), 614

COPLEY, ALFRED L., AND WHITNEY, DAVID V., III. The standardization and assay of heparin by the toluidine blue and azure A reactions. (A correction), 117

CORPER, H. J. Comparative results with transdermal (or transcutaneous) and intracutaneous tuberculin tests, 398

CO TUI, HOPE, D., SCHRIFT, M. H., AND POWERS, J. Purified pyrogen from Eberthella typhosa, 58

CRAFTS, ROGER C. Effects of ether anesthesia upon total erythrocyte and white cell counts of adult female rats, 1070

CRITTENDEN, PHOEBE J., AND JOINER, LUELLA S. Cotton hose as a vehicle for a fungicide in treatment of athlete's foot, 606

D

DAMON, SAMUEL R., AND JOHNSON, MARY B. A rapid agglutination test for the diagnosis of tularemia, 976

DE ANGELIS, EUGENE, AND HUNTSINGER, MILDRED. The clumping of erythrocytes in Hayem's diluting fluid: a grave prognostic sign, 624

DEKRUIF, P. (*See* GOTTSCHALL, DEKRUIF, COPE, AND LAURANT), 614

DENHOFF, ERIC, AND PIPER, BERNARD C. Laboratory aids in the diagnosis of malaria, 518

DENKO, CHARLES W., AND ANDERSON, ARTHUR K. Studies on the toxicity of gold compounds in rats, 1168

DE NOSAQUO, NORMAN, KERLAN, IRVIN, KNUDSEN, LILA F., AND KLUMPP, THEODORE G. Clinical use of oral thermometers, 179

DERBES, VINCENT J., AND ENGELHARDT, HUGO T. Deaths following the use of local anesthetics in transcricoid therapy: a critical evaluation, 478

DERNEHL, CARL U., BADER, MADERO N., AND BARTLETT, LUIS H. A simple inexpensive apparatus for the sterile lyophilization of small amounts of material, 978

DIETZ, ALBERT. (*See* STEINBERG AND DIETZ), 695

DI PALMA, JOSEPH R., AND KENDALL, PHILIP E. The relationship between blood volume and blood specific gravity in the recovery from cardiac decompensation, 390

DOAN, CHARLES A. (*See* SNYDER AND DOAN), 1211

DREISBACH, ROBERT H. (*See* PFEIFFER, DREISBACH, AND ROBY), 709

DRURY, WALTER. (*See* TOOMEY, LEWIS, AVERILL, DRURY, AND TAKACS), 21

DUNHAM, WOLCOTT B. (*See* PARKER, DUNHAM, AND MACNEAL), 37

E

EDMONDS, HENRY W. A nomogram for organ weights of children, 1300

ELIASER, MAURICE, JR. Vertigo and related conditions, 680

ELLIOTT, K. A. C. (*See* RIVERS AND ELLIOTT), 55

ELMAN, ROBERT. (*See* ROBERTS, HELWIG, ELMAN, AND MACBRYDE), 1062

ELVERS, CHARLES F. Polychrome No. 28. A simplified polychrome stain for use in the clinical laboratory, 1094

ENGELFRIED, JOHN J. The ascorbic acid saturation test, 324

ENGELHARDT, HUGO T. (*See* DERBES AND ENGELHARDT), 478

ENZER, NORBERT, SIMONSON, ERNST, AND BLANKSTEIN, SAMUEL S. The reappearance of flicker at high flash frequency in patients with brain pathology and in normal subjects, 63

EPSTEIN, JEANNE A., FOLEY, E. J., PERRINE, ISABEL, AND LEE, S. W. Convenient assay method for penicillin and similar substances, 319

F

FALKENSTEIN, ALFONS P. (*See* RAMSEY, FALKENSTEIN, AND SUJKOWSKI), 419

FAVORITE, GRANT O., REINER, LEOPOLD, AND LONDON, RUSSELL. Acute agranulocytosis during sulfamerazine therapy, 899

FEINBLATT, HENRY M., ALPERT, BARNETT B., AND FERGUSON, EDGAR A., JR. Juvenile diabetes insulin sensitivity, 366

FELLOWES, OLIVER N., AND ROUTH, JOSEPH I. A study of the chemical composition and antigenic properties of a polysaccharide fraction of three-hour cultures of Staphylococcus aureus, 1054

FELSENFELD, OSCAR, AND YOUNG, VIOLA MAE. The occurrence of members of the genus Salmonella in inhabitants of state hospitals of the greater Chicago area, 375

FERDERBER, MURRAY B. (*See* MOSES AND FERDERBER), 1147

FERGUSON, EDGAR A., JR. (*See* FEINBLATT, ALPERT, AND FERGUSON), 366

FIGGE, FRANK H. J., AND HOFFMASTER, THOMAS E., JR. An inexpensive method for publishing photographs of fluorescence phenomena in color, 1207

FINCH, EDMOND P., JR. (*See* SCOTT AND FINCH), 404

FISHBACK, HAMILTON R. On the mobilization of iron in hemochromatosis with administration of various chemicals, 742

FISHER, C. VIRGINIA. (*See* MARTIN AND FISHER), 383

FITTS, LUCILLE. (*See* TUTTLE AND FITTS), 609

FLANAGAN, MARY E. (*See* LOUGHLIN, BENNETT, AND FLANAGAN), 568

—. (*See* LOUGHLIN, BENNETT, FLANAGAN, AND SPITZ), 921

FLORIN, R. E., AND SILVERSTEIN, R. M. Sulfonamide determination in blood using xylenesulfonic acid as a protein precipitant, 879
FOLEY, E. J. (*See* EPSTEIN, FOLEY, PERRINE, AND LEE), 319
FOLEY, JOHN A. (*See* KROPP AND FOLEY), 231
FREE, ALFRED H., AND LEONARDS, JACK R. Studies on the ingestion of large quantities of protein and amino acids, 963
FRIEDMAN, M. H. F. A vehicle for the intravenous administration of fat-soluble hormones, 530

G

GATCH, W. D. (*See* WAKIM AND GATCH), 984
GELARIE, ARNOLD J. Cultivation and preservation of diplococcus pneumoniae and mycobacterium tuberculosis in market eggs, 532
GILL, A. J. Local eosinophilia in malignant neoplasms, 820
—. Traumatic autograft of splenic tissue in the body wall, 247
GOETCHIUS, G. R., AND LAWRENCE, C. A. The antibacterial effects of several acridine compounds, 1177
— AND —. The antibacterial effects of various acridine compounds, 134
GOLDFARB, A. I. (*See* SHAPIRO, TARLOV, OLIVER, GOLDFARB, BOJAR, KASLOW, AND ROCKENMACHER), 282
GOTTSCHALL, R. Y., DEKRUIF P., COPE, H. E., AND LAURENT, D. The effect of artificially induced fever on anaphylactic shock in actively sensitized guinea pigs, 614
GRAU, MARGUERITE L. A simple acid water solution for better visualization of malarial parasites using Wright's stain for thick blood films, 1103
GREGERSEN, MAGNUS I. A practical method for the determination of blood volume with the dye T-1824, 1266
GREGG, JOHN R. (*See* CHASE, LORENZ, PARPART, AND GREGG), 99
GREIFINGER, WILLIAM, AND SILBERSTEIN, JOSEPH K. Salmonella food infection in military personnel, 1042
GUIDI, HENRI. (*See* CONVERSE, CLARKE, AND GUIDI), 546
VON GUTFELD, F. J. Method to determine the penterating power of germicides, 413

H

HALL, BETTY L. Botulism from home-canned beets, 702
HAMBLETON, A. A time and temperature guide for inspissating culture media, 526
HARRIS, ALBERT H. (*See* LANGE AND HARRIS), 970
HARRIS, ALBERT M., AND PRIESTLEY, JOSEPH B. Actinomycosis, 815
HART, FANCHON, AND BLUMBERG, BERNARD L. A simple apparatus for periodic testing of P. notatum flask cultures, 749
HEINEMANN, BERNARD. The bactericidal activity of some di-(hydroxyphenyl) alkanes, 254
HELWIG, ELSON B. (*See* ROBERTS, HELWIG, ELMAN, AND MACBRYDE), 1062
HELWIG, FERDINAND C. A simple rapid method for paraffin tissue preparations utilizing the Kahn shaker, 304
HELZ, MARY K., AND MENTEN, MAUDE L. Elliptocytosis, a report of two cases, 185
HEMINGWAY, ALLAN, AND TAYLOR, CHARLES B. Laboratory tests for the oximeter with automatic compensation for vasomotor changes, 987
HEMPELMANN, LOUIS A., JR., REINHARD, EDWARD H., MOORE, CARL V., BIERBAUM, OLGA S., AND MOORE, SHERWOOD. Hematologic complications of therapy with radioactive phosphorus, 1020
HERRMANN, GEORGE R. (*See* RUSKIN AND HERRMANN), 486
HESS, MANFRED, AND HOLLANDER, FRANKLIN. Permanent metachromatic staining of gastric mucus smears, 321
HILL, J. M. (*See* MUIRHEAD AND HILL), 339
HIRSCHBERG, NELL. A solid medium for the transportation of delayed gonococcus cultures, 314
HOFFMASTER, THOMAS E., JR. (*See* FIGGE AND HOFFMASTER), 1207
HOLLANDER, FRANKLIN. (*See* HESS AND HOLLANDER), 321
HOLMES, LIDA F., AND WILSON, MARY E. Gentian violet-blood agar plates used in aerobic and anaerobic cultures of wounds, 1090
HOPE, D. (*See* CO TUI, HOPE, SCHRIFT, AND POWERS), 58
HORN, J. MORRIS. A note on a simplified and rapid test for proteinuria, 228
HUEPER, W. C. Reactions in the blood and organs of dogs on intravenous injection of a solution of hemoglobin, 628
HULPIEU, H. R., AND COLE, VERSA V. The effect of humidity and temperature on oxygen toxicity, 1134
HUNT, GEORGE A. A study of the Pappenheim stain—a stable modification, 207
HUNTER, ALBERT C. (*See* WELCH, PRICE, NIELSEN, AND HUNTER), 809
HUNTSINGER, MILDRED. (*See* DE ANGELIS AND HUNTSINGER), 624

I

IVY, A. C. (*See* ANNEGERS, SNAPP, IVY, AND ATKINSON), 853

J

JACKSON, D. E. The pharmacologic action of 2-methylaminoheptane (EA-1), 150
JACOBS, JOHN, AND YONKMAN, FREDRICK F. Sympatholytic treatment of experimental hypertension, 1217
JAFFÉ, RUDOLF. General considerations on pathogenesis: syphilitic aortitis, myocarditis, hepatic cirrhosis, 139
JANDORF, BERNARD J. (*See* WILLIAMS, JANDORF, AND KAY), 329
JAWETZ, E. A mechanical iodine applicator, 664
JOHNSON, HARALD N. Isolation of Bacterium tularense from the sputum of an atypical case of human tularemia, 903
—. Natural occurrence of tularemia in dogs used as a source of canine distemper virus, 906
JOHNSON, MARY B. (*See* DAMON AND JOHNSON), 976
JOHNSON, MARY S. (*See* SHULMAN AND JOHNSON), 500
JOINER, LUELLA S. (*See* CRITTENDEN AND JOINER), 606
JORDAN, ARTHUR C. (*See* BERNHARD AND JORDAN), 273, 357

K

KALMANSON, G. M., AND BRONFENBRENNER, J. J. Reversibility of sensitization of erythrocytes, 684
KASLOW, R. (*See* SHAPIRO, TARLOV, OLIVER, GOLDFARB, BOJAR, KASLOW, AND ROCKENMACHER), 282
KAY, GLORIA A. (*See* WILLIAMS, JANDORF, AND KAY), 329
KENDALL, PHILIP E. (*See* DI PALMA AND KENDALL), 390
KENDELL, H. W. (*See* GOTTSCHALL, DEKRUIF, COPE, AND LAURENT), 614
KERLAN, IRVIN. (*See* DE NOSAQUO, KERLAN, KNUDSEN, AND KLUMPP), 179
KINGSLEY, GEORGE R. The adaptation of the direct biuret method for the determination of serum proteins to box comparator colorimetry, 436
—. The preparation of a more stable concentrated urease solution, 337
KINSEY, ROY E., AND WRIGHT, DUWARD O. Reaction following ingestion of sodium benzoate in a patient with severe liver damage, 188
KLUMPP, THEODORE G. (*See* DE NOSAQUO, KERLAN, KNUDSEN, AND KLUMPP), 179
KNUDSEN, LILA F. (*See* DE NOSAQUO, KERLAN, KNUDSEN, AND KLUMPP), 179
KOONS, MELVIN E. The laboratory diagnosis of tuberculosis, 75

KORNBERG, HARRY A. A simple automatic pipette, 747
KRAUEL, KATHRYN K. The microdetermination of amino acid nitrogen in blood with the spectrophotometer and with the optical colorimeter, 222
KRAUTMAN, BENJAMIN. (*See* SIFFERT AND KRAUTMAN), 270
KROPP, BENJAMIN. (*See* REED AND KROPP), 214
KROPP, GEORGE V., AND FOLEY, JOHN A. Studies on a polysaccharide from the tubercle bacillus, 231

L

LANGE, CARL, AND HARRIS, ALBERT H. The significance of the pH in the gold reaction, 970
LAUBER, FRANCES U., AND MATTICE, MARJORIE R. Microdetermination of blood glucose, 113
LAUG, EDWIN P. A multiple rabbit holder, 308
LAURENT, D. (*See* GOTTSCHALL, DEKRUIF, COPE, AND LAURENT), 614
LAWRENCE, C. A. (*See* GOETCHIUS AND LAWRENCE), 134, 1177
LAYNE, JOHN A., AND SCHEMM, F. R. Acute macrocytic hemolytic anemia occurring following administration of sulfadiazine, 347
LEADER, S. A. Coronary disease associated with a short PR interval and a prolonged QRS, 673
LEE, H. I. Comparison of procedures for staining tubercle bacilli in fluorescence microscopy, 218
LEE, S. W. (*See* EPSTEIN, FOLEY, PERRINE, AND LEE), 319
LEHMAN, A. J., AND CHASE, H. F. The acute and chronic toxicity of isopropyl alcohol, 561
LEIGHTY, JOHN A. (*See* WICK AND LEIGHTY), 303
LENHOFF, CHARLES D. (*See* SCHNITKER AND LENHOFF), 889
LEONARDS, JACK R. (*See* FREE AND LEONARDS), 963
LEWIS, NORMAN. (*See* TOOMEY, LEWIS, AVERILL, DRURY, AND TAKACS), 21
LEWIS, ROGER A. A simple method for estimating serum atabrine concentration, 1303
LILLIE, R. D. Factors influencing the Romanovsky staining of blood films and the role of methylene violet, 1181
LINTON, LORAINE GROSKIN. (*See* CALLOMON, FRITZ T.), 574
LITTLE, J. MAXWELL. A simple ventilation recorder for animal experiments, 1205
LONDON, RUSSELL. (*See* FAVORITE, REINER, AND LONDON), 899
LORENZ, PHILIP B. (*See* CHASE, LORENZ, PARPART, AND GREGG), 99
LOUGHLIN, ELMER H., BENNETT, RICHARD H., AND FLANAGAN, MARY E. The treatment of pneumococcal pneumonia with sulfamethazine, 568
—, —, —, AND SPITZ, SAMUEL H. Studies on the absorption of the sulfonamides from the gastrointestinal tract of albino rats, 921
LUISADA, ALDO A. (*See* RAPPAPORT AND LUISADA), 638
LUSK, FRANK B. (*See* BOHAN AND LUSK), 585

M

MCBRIDE, ALICE. (*See* ROWE, MCBRIDE, AND METTIER), 1156
MACBRYDE, CYRIL M. (*See* ROBERTS, HELWIG, ELMAN, AND MACBRYDE), 1062
MCGAVACK, THOMAS HODGE, AND VOGEL, MILDRED. Propylene glycol as a menstruum for the administration of steroid hormones, 1256
MCKIBBIN, J. M., THAYER, S., AND STARE, F. J. Choline deficiency studies in dogs, 1109
MCNALLY, WILLIAM D., AND COLEMAN, HAROLD M. A micromethod for the determination of ethyl alcohol in blood, 429
MACNEAL, WARD J. (*See* PARKER AND MACNEAL), 121
—. (*See* PARKER, DUNHAM, AND MACNEAL), 37
MCWILLIAMS, MARY A. (*See* ENGELFRIED, JOHN J.), 324
MADONICK, M. J., AND SAVITSKY, NATHAN. The relation between the Pandy test and total protein content of spinal fluid, 542
MALLERY, O. T., JR. (*See* RANDOLPH AND MALLERY), 197
—, AND RANDOLPH, THERON G. The effect in vitro of propylene glycol in leucocytes, 203
MARTIN, GUSTAV J., AND FISHER, C. VIRGINIA. Nutritional status of Staphylococcus aureus as influenced by proflavine, 383
MATTICE, MARJORIE R. (*See* LAUBER AND MATTICE), 113
—. (*See* PINCK, MORTON, AND MATTICE), 462
MENTEN, MAUD L. (*See* HELZ AND MENTEN), 185
MERANZE, DAVID R. (*See* TRASOFF AND MERANZE), 590
MERRILL, MALCOLM H. (*See* NEUFELD AND MERRILL), 1100
METTIER, STACY R. (*See* ROWE, MCBRIDE, AND METTIER), 1156
MINNICH, V. (*See* MOORE, VILTER, MINNICH, AND SPIES), 1226
MINOT, ANN S. The determination of tocopherol in blood serum, 772
MOORE, CARL V. (*See* HEMPELMANN, REINHARD, MOORE, BIERBAUM, AND MOORE), 1020
—, VILTER, R., MINNICH, V., AND SPIES, T. D. Nutritional macrocytic anemia in patients with pellagra or deficiency of the vitamin B complex, 1226
MOORE, SHERWOOD. (*See* HEMPELMANN, REINHARD, MOORE, BIERBAUM, AND MOORE), 1020
MORTON, GLADYS L. (*See* PINCK, MORTON, AND MATTICE), 462
MOSES, CAMPBELL, AND FERDERBER, MURRAY B. The oscillometer and thermocouple as diagnostic aids in peripheral vascular disease, 1147
MUIRHEAD, E. E., AND HILL, J. M. Shock resulting from the intraperitoneal implantation of reconstituted desiccated muscle, 339
MUNRO, F. L. A modified pipette for prothrombin determinations, 986
MYERS, VICTOR C. The prognostic significance of an elevated blood creatinine, 1001

N

NECHELES, H., AND OLSON, W. H. Note on the "digestion" of metal in the stomach, 687
NELSON, TRUMAN. (*See* RAY AND NELSON), 766
NEUFELD, JOHN W., AND MERRILL, MALCOLM H. A mechanical device for making multiple paraffin rings for slide precipitation tests for syphilis, 1100
NIELSEN, JEAN K. (*See* WELCH, PRICE, NIELSEN, AND HUNTER), 809

O

O'BRIEN, ELWIN J. (*See* BROWN, O'BRIEN, AND ROOK), 410
OLIVERIA LIMA, A. Allergy from timbó (Lonchocarpus H.B.K.), 939
OLIVER, R. (*See* SHAPIRO, TARLOV, OLIVER, GOLDFARB, BOJAR, KASLOW, AND ROCKENMACHER), 282
OLSON, W. H. (*See* NECHELES AND OLSON), 687
ORR, MARTHA L. (*See* TOBIE AND ORR), 767

P

PALMES, E. D. (*See* ALFORD AND PALMES), 1104
PARÁ, MADUREIRA. The application of a processed glue as a substitute for glass coverslips in histologic technique, 1294
PARKER, ERNESTINE R., DUNHAM, WOLCOTT B., AND MACNEAL, WARD J. Resistance of the Melbourne strain of influenza virus to desiccation, 37

—, AND MACNEAL, WARD J. Persistance of influenza virus on the human hand, 121

PARKINS, PHYLLIS V. (*See* RATCLIFFE AND PARKINS), 534

PARPART, ARTHUR K. (*See* CHASE, LORENZ, PARPART, AND GREGG), 99

PARRISH, D. B., AND CALDWELL, M. J. Modified Koch pipette for Carr-Price reagent dispenser, 992

PENNOCK, LAZARUS L. Simplification of the treatment of diabetes, 168

PERRINE, ISABEL. (*See* EPSTEIN, FOLEY, PERRINE, AND LEE), 319

PFEIFFER, CARL, DREISBACH, ROBERT H., AND ROBY, CHARLES C. Therapy of migraine by electrolytes affecting the blood volume, 709

PINCK, BERNARD D., MORTON, GLADYS L., AND MATTICE, MARJORIE R. Effect of certain salts on activity of sulfacetamide, 462

PIPER, BERNARD C. (*See* DENHOFF AND PIPER), 518

POTH, EDGAR J., AND ROSS, CHARLES A. The clinical use of phthalysulfathiazole, 785

POTTER, HAROLD W., AND BRONSTEIN, LEWIS H. The Waterhouse-Friderichsen syndrome, 703

POWELL, H. M., AND RICE, R. M. Ineffective penicillin chemotherapy of arthritic rats infected with pleuropneumonia-like organisms, 372

POWERS, J. (*See* CO TUI, HOPE, SCHRIFT, AND POWERS), 58

PRICE, C. W. (*See* RANDALL AND PRICE), 312

—. (*See* WELCH, PRICE, NIELSEN, AND HUNTER), 809

PRIESTLEY, JOSEPH B. (*See* HARRIS AND PRIESTLEY), 815

Q

QUIGLEY, J. P. (*See* BRODY AND QUIGLEY), 863

R

RAAB, W. Cardiotoxic substances in the blood and heart muscle in uremia (their nature and action), 715

RACKER, E., AND ROSE, S. P. "Reverse" typing as an aid in the diagnosis of pneumonia, 1203

RAMSEY, THOMAS L., FALKENSTEIN, ALFONS P., AND SUJKOWSKI, EUGENE J. The use of the albino rat in the pregnancy hormone test, 419

RANDALL, W. A., AND PRICE, C. W. A rapid method for estimating the bacteriostatic activity of disinfectants, 312

RANDOLPH, THERON G. (*See* MALLERY AND RANDOLPH), 203

—, AND MALLERY, O. T., JR. The effect in vitro of propylene glycol on erythrocytes, 197

RAPPAPORT, MAURICE B., AND LUISADA, ALDO A. Indirect sphygmomanometry, 638

RATCLIFFE, HERBERT L., AND PARKINS, PHYLLIS V. On the use of Mallory's phototungstic acid hematoxylin for staining intestinal protozoa, 534

RAY, TITUS B., AND NELSON, TRUMAN. Stabilizing serum for blood typing, 766

REED, C. I. (*See* SILVER, STECK, AND REED), 48

REED, G. B., AND KROPP, BENJAMIN. A simple apparatus for determining peripheral arterial pressure in the rabbit's ear, 214

REED, RACHAEL K. (*See* SAPIRSTEIN, REED, AND SOUTHARD), 633

REICH, CARL, SWIRSKY, MORGAN, AND SMITH, DOROTHY. Sternal bone marrow in the aged, 508

REIN, CHARLES R. (*See* BARNARD, ROBERT D.), 1287

REINER, LEOPOLD. (*See* FAVORITE, REINER, AND LONDON), 899

REINHARD, EDWARD H. (*See* HEMPELMANN, REINHARD, MOORE, BIERBAUM, AND MOORE), 1020

REIS, FREDERICK. Note on the selenium method for the determination of non-protein nitrogen, 666

REPICCI, ANTHONY. (*See* BRIDGE, THURSTON, AND REPICCI), 936

RICE, F. A. H. (*See* YOUNG AND RICE), 439, 735

RICE, R. M. (*See* POWELL AND RICE), 372

RIGDON, R. H. Effect of heparin on phagocytosis, 840

—, AND ALLAN, CHESTER, JR. Aneurysms of the vertebral arteries; a consideration of their etiology, 28

RIVERS, T. D., AND ELLIOTT, K. A. C. Extreme resistance to insulin stupor in a schizophrenic patient, 55

ROBERTS, CHARLES S. (*See* TURNER AND ROBERTS), 81

ROBERTS, HAROLD K., HELWIG, ELSON B., ELMAN, ROBERT, AND MACBRYDE, CYRIL M. Serial biopsy studies of the effects of estrogens on the liver, 1062

ROBINSON, MILES H. Apparatus for constant rate intravenous injection of ultra short-acting anesthetics in mice, 296

ROBY, CHARLES C. (*See* PFEIFFER, DREISBACH AND ROBY), 709

ROCKENMACHER, M. (*See* SHAPIRO, TARLOV, OLIVER, GOLDFARB, BOJAR, KASLOW, AND ROCKENMACHER), 282

ROE, JOSEPH H. (*See* COHN AND ROE), 106

ROGERS, R. J. Subacute bacterial endocarditis confined to a pulmonic valve with malformed leaflets, 825

ROOK, CHARLES W. (*See* BROWN, O'BRIEN, AND ROOK), 410

ROSE, D. L. (*See* GOTTSCHALL, DEKRUIF, COPE, AND LAURENT), 614

ROSE, S. P. (*See* RACKER AND ROSE), 1203

ROSENBERG, SYLVIA I. (*See* BIERMAN, SHWARTZMAN, AND ROSENBERG), 454

ROSENFELD, SAMUEL S., AND ROSENFELD, VILMA W. The reaction of Xenopus laevis daudin (the South African clawed frog) to human pregnancy serum, 527

ROSENFELD, VILMA W. (*See* ROSENFELD AND ROSENFELD), 527

ROSENTHAL, L. Seroflocculation with a new group of antigens in some pathologic conditions, 1198

ROSS, CHARLES A. (*See* POTH AND ROSS), 785

ROUTH, JOSEPH I. (*See* FELLOWS AND ROUTH), 1054.

ROWE, ALBERT P., JR., MCBRIDE, ALICE, AND METTIER, STACY R. A study on the relationship of blood iso-agglutinin titers to total serum protein concentrations, 1156

RULE, COLTER. A simple auscultatory technique for the estimation of the blood pressure of dogs, 97

RUSKIN, ARTHUR, AND HERRMANN, GEORGE R. Studies in combined diuretic therapy, 486

S

SALIT, ELIZABETH POWELL, AND TUTTLE, W. W. The variability of heart rate and blood pressure in selected groups of college and high school students, 1139

SANO, MACHTELD E. (*See* SMITH, LAWRENCE W.), 241

SAPIRSTEIN, LEO A., REED, RACHAEL K., AND SOUTHARD, F. D., JR. Assay of renin substrate by low temperature incubation with renin, 633

SAVITSKY, NATHAN. (*See* MADONICK AND SAVITSKY), 542

SCHEMM, F. R. (*See* LAYNE AND SCHEMM), 347

SCHLEICHER, EMIL MARO. Giant orthochromatic erythroblasts, 127

SCHMIDT, LILLY. (*See* CO TUI, HOPE, SCHRIFT, AND POWERS), 58

SCHNITKER, MAURICE A., AND LENHOFF, CHARLES D. Sulfonamide-resistant gonorrhea treated with urea and sulfonamide by mouth, 889

SCHREK, ROBERT. A method for mounting gross pathologic specimens in Petri dishes, 91

SCHRIFT, M. H. (*See* CO TUI, HOPE, SCHRIFT, AND POWERS), 58

SCHWARTZ, PAULINE. (*See* BROWN, WILDER, AND SCHWARTZ), 259

SCOTT, ELVYN, G., AND FINCH, EDMOND P., JR. A modified test for the detection of nitrate reduction, 404

SCUTCHFIELD, BEECHER L. A method of obtaining compressed air for the small laboratory, 745

SEELY, DOROTHY DIXON, STOOKEY, PAUL F., AND SHERWOOD, NOBLE P. A study of staphylococcus antitoxin titers in normal human sera, 1162

SELL, FLOYD. A viewing device for reading Kahn reactions, 752

SHAPIRO, ARTHUR, TARLOV, I. M., OLIVER, R., GOLDFARB, A. I., BOJAR, S., KASLOW, R., AND ROCKENMACHER, M. Plasma clot tensile strength. II. The effect of some physical factors, anticoagulants, and coagulants, 282

SHEFTEL, A. G. Determination of total and free cholesterol, 875

SHERWOOD, NOBLE P. (*See* SEELY, STOOKEY, AND SHERWOOD), 1162

SHULMAN, BERNARD H., AND JOHNSON, MARY S. A case of meningitis in a premature infant due to a proteolytic Gram-negative bacillus, 500

SHWARTZMAN, GREGORY. (*See* BIERMAN, SHWARTZMAN, AND ROSENBERG), 454

SIFFERT, ROBERT S., AND KRAUTMAN, BENJAMIN. Cold hemaglutination reactions in tuberculosis, 270

SILBERSTEIN, JOSEPH K. (*See* GREIFINGER, AND SILBERSTEIN), 1042

SILVER, A., STECK, IRVING E., AND REED, C. I. A study of the effects of vitamin D on capillary permeability by the use of the dye T-1824, 48

SILVERSTEIN, R. M. (*See* FLORIN AND SILVERSTEIN), 879

SIMPSON, W. M. (*See* GOTTSCHALL, DEKRUIF, COPE, AND LAURENT), 614

SIMONSON, ERNST. (*See* ENZER, SIMONSON, AND BLANKSTEIN), 63

SLAVKIN, ALICE E. Quick paraffin method for small biopsies, 74

SLOBODY, LAWRENCE B. An intradermal test for vitamin C subnutrition, 464

SMITH, DOROTHY. (*See* REICH, SWIRSKY, AND SMITH), 508

SMITH, JANE. (*See* BECKMAN AND SMITH), 43

SMITH, LAWRENCE W. Chlorophyll: an experimental study of its water-soluble derivatives. IV. The effect of water-soluble chlorophyll derivatives and other agents upon the growth of fibroblasts in tissue culture, 241

SMITH, M. S. A homemade mechanical pipette, 872

SMITH, SEDGWICK E. A new hematocrit tube, 301

SNAPP, F. E. (*See* ANNEGERS, SNAPP, IVY, AND ATKINSON), 853

SNYDER, LAURENCE H., AND DOAN, CHARLES A. Studies in human inheritance. XXV. Is the homozygous form of multiple telangiectasia lethal? 1211

SOLOMON, ERNEST M. Human serum treatment of atypical pneumonia, 493

SOPHIAN, LAWRENCE H. A method for the recovery of penicillin from the urine, 769

SOUTHARD, F. D., JR. (*See* SAPIRSTEIN, REED, AND SOUTHARD), 633

SPIES, T. D. (*See* MOORE, VILTER, MINNICH, AND SPIES), 1226

SPITZ, SAMUEL H. (*See* LOUGHLIN, BENNETT, FLANAGAN, AND SPITZ), 921

SPRAY, ROBB SPALDING. Blood agar plates, 538

STARE, F. J. (*See* MCKIBBIN, THAYER, AND STARE), 1109

STECK, IRVING E. (*See* SILVER, STECK, AND REED), 48

STEIN, L. (*See* WERTHEIMER AND STEIN), 1082

STEINBERG, BERNHARD, AND DIETZ, ALBERT. Manual and mechanical resuscitation in experimental asphyxia, 695

STEINER, GABRIEL, AND STEINER, GRETE. New simple silver stain for demonstration of bacteria, spirochetes, and fungi in sections from paraffin-embedded tissue blocks, 868

STEINER, GRETE. (*See* STEINER AND STEINER), 868

STOOKEY, PAUL F. (*See* SEELY, STOOKEY, AND SHERWOOD), 1162

SUJKOWSKI, EUGENE J. (*See* RAMSEY, FALKENSTEIN, AND SUJKOWSKI), 419

SWAN, LAWRENCE L. The macroscopic determination of blood groups A and B, 763

SWEENEY, BEATRICE M. The effect of estrone on anaerobic glycolysis of the uterus of the rat in vitro, 957

SWIRSKY, MORGAN. (*See* REICH, SWIRSKY, AND SMITH), 508

T

TAKACS, WILLIAM S. (*See* TOOMEY, LEWIS, AVERILL, DRURY, AND TAKACS), 21

TARLOV, I. M. (*See* SHAPIRO, TARLOV, OLIVER, GOLDFARB, BOJAR, KASLOW, AND ROCKENMACHER), 282

TAUSSIG, ALBERT E. On the persistance of falsely positive serologic tests for syphilis in nonsyphilitic infections, 473

TAYLOR, A. CECIL. Apparatus for the freezing-drying of tissues for storage, 657

TAYLOR, CHARLES B. (*See* HEMINGWAY AND TAYLOR), 987

THAYER, S. (*See* MCKIBBIN, THAYER, AND STARE), 1109

THURSTON, ARELYN. (*See* BRIDGE, THURSTON, AND REPICCI), 936

TOBIE, WALTER C., AND ORR, MARTHA L. Determination of phenol coefficients in presence of surface tension depressants, 767

TOBIN, CHARLES E. Effect of gonads and adrenals on the absorption of subcutaneous sesame oil, 850

TOOMEY, JOHN A., LEWIS, NORMAN, AVERILL, EARL, DRURY, WALTER, AND TAKACS, WILLIAM S. Active and passive immunity in experimental hemophilus pertussis infection in mice, 21

TRASOFF, ABRAHAM, AND MERANZE, DAVID R. The association of acute interstitial pancreatitis with acute pneumococcic mural endocarditis, 590

TURNER, WILLIAM J., AND ROBERTS, CHARLES S. An adhesive nondrying electrode paste, 81

TUTTLE, W. W. (*See* SALIT AND TUTTLE), 1139

—, AND FITTS, LUCILLE. The effect of heat produced by short wave diathermy on the activity of muscle, 609

V

VAN LOON, EDWARD J., AND CLARK, BYRON B. Observations on the hematologic actions of acetanilid and acetophenetidin in the dog, 942

VAUGHAN, WARREN T., JR. (*See* CHAPPLE AND VAUGHAN), 1

VILTER, R. (*See* MOORE, VILTER, MINNICH, AND SPIES), 1226

VOGEL, MILDRED. (*See* MCGAVACK AND VOGEL), 1256

W

WAINE, HANS, BAUER, WALTER, AND BENNETT, GRANVILLE A. The effect of subcutaneous injection of urine and urinary extracts from rheumatoid patients into rats, 19

WAKIM, K. G., AND GATCH, W. D. A cannula for measuring intrathoracic pressure, 984

WALKER, HARRY. (*See* BLOOM AND WALKER), 595

WALLEN, ARTHUR. (*See* CO TUI, HOPE, SCHRIFT, AND POWERS), 58

WATTS, G. W. T. Treatment and control of epidermophytosis and bromidrosis in a state school with cadmium chloride-aerosol solution, 692

WEISS, R. A device for the protection of microtome sections, 525

WELCH, HENRY, PRICE, CLIFFORD W., NIELSEN, JEAN K., AND HUNTER, ALBERT C. The acute toxicity of commercial penicillin, 809

WERTHEIMER, E., AND STEIN, L. The cold-susceptible globulin fraction of pathologic sera, 1082

WHITNEY, DAVID V., III. (*See* COPLEY AND WHITNEY), 117

WICK, HARRY J., AND LEIGHTY, JOHN A. Rabbit box, 303

WILBUR, KARL M. (*See* COLLIER AND WILBUR), 1123

WILDE, WALTER S. A micro-decanter for centrifuge washing, 881

WILDER, VIOLET M. (*See* BROWN, WILDER, AND SCHWARTZ), 259

WILLIAMS, ROBERT H., JANDORF, BERNARD J., AND KAY, GLORIA A. Methods for the determination of thiouracil in tissues and body fluids, 329

WILSON, CHARLES S. (*See* YEAGER AND WILSON), 177

WILSON, MARY E. (*See* HOLMES AND WILSON), 1090

WITLIN, BERNARD. Self-buffering staining solutions, 1097

WRIGHT, DUWARD O. (*See* KINSEY AND WRIGHT), 188

Y

YEAGER, J. FRANKLIN, AND WILSON, CHARLES S. Circa 42, a new itch remedy, 177

YONKMAN, FREDRICK F. Toxicity of yohimbine hydrochloride, 1222

—. (*See* JACOBS AND YONKMAN), 1217

YOUNG, E. GORDON, AND RICE, F. A. H. Leucocytosis as an index of pyrogenicity in fluids for intravenous use, 735

—, AND —. On the occurrence of arsenic in human hair and its medicolegal significance, 439

YOUNG, VIOLA MAE. (*See* FELSENFELD AND YOUNG), 375

Z

ZIMMERMAN, S. L. Transient T-wave inversion following paroxysmal tachycardia, 598

SUBJECT INDEX

Book reviews are indicated by (B. Rev.) after the page number.

A

Absorption of subcutaneous sesame oil, effect of gonads and adrenals on, 850
of sulfonamides from gastrointestinal tract of albino rats, 921
Acetanilid and acetophenetidin, hematologic actions of, in dog, 942
Acetophenetidin and acetanilid, hematologic actions of, in dog, 942
Acid, ascorbic, saturation test, 324
xylenesulfonic, as protein precipitant for sulfonamide determination in blood, 879
Acridine compounds, antibacterial effects of, 134, 1177
Actinomycosis, 815
Acute agranulocytosis during sulfamerazine therapy, 899
interstitial pancreatitis, association of, with acute pneumococcic mural endocarditis, 590
macrocytic hemolytic anemia following administration of sulfadiazine, 347
pneumococcic mural endocarditis, association of, with acute interstitial pancreatitis, 590
toxicity of commercial penicillin, 809
Adrenals and gonads, effect of, on absorption of subcutaneous sesame oil, 850
Aerobic and anaerobic cultures of wounds, gentian violet-blood agar plates used in, 1090
Aerosol, adjuvant effect of, upon germicidal action of cadmium chloride, 689
Aged, sternal bone marrow in, 508
Agglutination, collodion particle, microscopic observation of, in protein-antiprotein systems, 352
test, rapid, for diagnosis of tularemia, 976
Agranulocytosis during sulfamerazine therapy, 899
Air, compressed, method of obtaining, for small laboratory, 745
Albino rat, use of, in pregnancy hormone test, 419
Alcohol in blood, micromethod for determination of, 429
isopropyl, acute and chronic toxicity, 561
Allergic factor in altitude sickness, 831
Allergy from timbó (Lonchocarpus H.B.K.), 939
handbook of, 886 (B. Rev.)
Alloxan diabetes in dogs, 510
Altitude sickness, possible allergic factor in, 831
Amino acid nitrogen in blood, microdetermination of, with spectrophotometer and with optical colorimeter, 222
acids and protein, ingestion of large quantities of, 963
Ammonia in urine, determination of, 447
Anaerobic and aerobic cultures of wounds, gentian violet-blood agar plates used in, 1090
glycolysis of uterus of rat in vitro, effect of estrone on, 957
Anaphylactic shock in actively sensitized guinea pigs, effect of artificially induced fever on, 614
Anemia, acute macrocytic hemolytic, following administration of sulfadiazine, 347
macrocytic, nutritional, in patients with pellagra or vitamin B complex deficiency, 1226
Anesthesia, ether, effects of, upon total erythrocyte and white cell counts of adult female rats, 1070
Anesthetics, local, in transcricoid therapy, deaths following use of, 478
ultra short-acting, apparatus for constant rate intravenous injection of, in mice, 296
Aneurysms of vertebral arteries; consideration of their etiology, 28
Animal experiments, simple ventilation recorder for, 1205
inoculation and microscopic examination, 75
Antibacterial effects of acridine compounds, 134, 1177
Antigenic properties and chemical composition of polysaccharide fraction of three-hour cultures of Staphylococcus aureus, 1054
Antigens, seroflocculation with new group of, in some pathologic conditions, 1198
Antihemolytic value of blood, lysolecithin and, 1123
Antiseptic, intestinal, value of sulfathiazole as, 794
Antitoxin, staphylococcus, titers in normal human sera, 1162
Aortitis, syphilitic, myocarditis, hepatic cirrhosis, general considerations on pathogenesis, 139
Apparatus for constant rate intravenous injection of ultra short-acting anesthetics in mice, 296
for determining peripheral arterial pressure in rabbit's ear, 214
for freezing-drying of tissues for storage, 657
for periodic testing of P. notatum flask cultures, 749
for sterile lyophilization of small amounts of material, 978
Application of "inductograph" to registration of movements, particularly of body structures such as pyloric sphincter, 863
Applicator, iodine, mechanical, 664
Arsenic, occurrence of, in human hair and medicolegal significance, 439
Arterial pressure in rabbit's ear, simple apparatus for determining, 214
Arteries, vertebral, aneurysms of; consideration of their etiology, 28
Arthritic rats infected with pleuropneumonia-like organisms, ineffective penicillin chemotherapy of, 372
Ascorbic acid saturation test, 324
Asphyxia, experimental, manual and mechanical resuscitation in, 695
Aspirin hypersensitivity, nodal rhythm and bundle branch block following, 595
Assay method, convenient, for penicillin and similar substances, 319
of renin substrate by low temperature incubation with renin, 633
Atabrine, serum, concentration, simple method for estimating, 1303
Athlete's foot, treatment of, cotton hose as vehicle for fungicide in, 606
Atypical pneumonia, human serum treatment of, 493
Auscultatory technique, simple, for estimation of blood pressure of dogs, 97
Autograft, traumatic, of splenic tissue in body wall, 247
Automatic pipette, simple, 747
Autopsy, 230 (B. Rev.)
Avian malaria infections, apparent advantage of frequently administered quinine in, 43
Azure A and toluidine blue reactions, standardization and assay of heparin by (correction), 117

B

Bacillus, proteolytic Gram-negative, meningitis in premature infant due to, 500
Bacteria, spirochetes, and fungi in sections from paraffin-embedded tissue blocks, silver stain for demonstration of, 868
Bactericidal activity of some di-(hydroxyphenyl) alkanes, 254
Bacteriostatic activity of disinfectants, rapid method for estimating, 312
Bacterium tularense, isolation of, from sputum of atypical case of human tularemia, 903
typhosum, Vi agglutinative properties for, demonstrated following infection with malaria parasites, 916

Barbiturate intoxication and picrotoxin treatment, 265
Beets, home-canned, botulism from, 702
Bile acids, effect of, on biliary excretion of neoarsphenamine and mapharsen, 853
Biliary excretion of neoarsphenamine and mapharsen, effect of bile acids on, 853
Biochemistry for medical students, 459 (B. Rev.)
Biopsies, small, quick, paraffin method for, 74
Biopsy studies of effects of estrogens on liver, 1062
Biuret method, direct, for determination of serum proteins, adaptation of, to box comparator colorimetry, 436
Blood agar-gentian violet plates used in aerobic and anaerobic cultures of wounds, 1090
  agar plates, 538
  amino acid nitrogen in, microdetermination of, with spectrophotometer and with optical colorimeter, 222
  and heart muscle in uremia, cardiotoxic substances in, 715
  and organs of dogs, reactions in, on intravenous injection of hemoglobin solution, 628
  antihemolytic value of, lysolecithin and, 1123
  creatinine, elevated, prognostic significance of, 1001
  ethyl alcohol in, micromethod for determination of, 429
  films, Romanovsky staining of, and role of methylene violet, 1181
  glucose, microdetermination of, 113
  groups A and B, macroscopic determination of, 763
  in tuberculosis, clinical significance of, 118 (B. Rev.)
  iso-agglutinin titers, relationship of, to total serum protein concentration, 1156
  pressure and heart rate, variability of, in selected groups of college and high school students, 1139
    estimation of, 638
    of dogs, estimation of, simple auscultatory technique for, 97
  serum, determination of tocopherol in, 772
  specific gravity and blood volume, relationship between, in recovery from cardiac decompensation, 390
  stored, method for simultaneous determination of methemoglobin-oxyhemoglobin ratio and per cent hemolysis in, 99
  sulfonamide determination in, using xylenesulfonic acid as protein precipitant, 879
  typing, stabilizing serum for, 766
  volume and blood specific gravity, relationship between, in recovery from cardiac decompensation, 390
    method for determination of, with dye T-1824, 1266
    therapy of migraine by electrolytes affecting, 709
Body and facial prosthesis in relation to war wounds, 667
  fluids, thiouracil in, methods for determination of, 329
  structures, application of "inductograph" to registration of movements of, 863
Bone chips, grafts, repair of cranial defects, 546
  marrow in the aged, 508
Book reviews and notices, 118, 230, 450, 560, 782, 883, 998, 1107, 1210, 1307
Borderlands of psychiatry, 119 (B. Rev.)
Botulism from home-canned beets, 702
Box comparator colorimetry, adaptation of direct biuret method to, for determination of serum proteins, 436
  rabbit, 303
Brain pathology, patients with, and normal subjects, reappearance of flicker at high flash frequency in, 63
Brains, color photography of, after fixation, 997
Bromidrosis, cadmium-aerosol solution for, 694
Bundle branch block and nodal rhythm following aspirin hypersensitivity, 595

C

Cadmium chloride, germicidal action of, adjuvant effect of aerosol upon, 689
Cancer, riddle of, 883 (B. Rev.)
Canine distemper virus, natural occurrence of tularemia in dogs used as source of, 906
Cannula for measuring intrathoracic pressure, 984
Capillary permeability, effects of vitamin D on, by use of dye T-1824, 48
Cardiac decompensation, relationship between blood volume and blood specific gravity in recovery from, 390
Cardiotoxic substances in blood and heart muscle in uremia, 715
Care of animals, 80
  of human sperm, 211
Carr-Price reagent dispenser, modified Koch pipette for, 992
Cast chip-bone grafts, repair of cranial defects by, 546
Cell growth in vitro, role of creatine in, and its use in wound healing, 483
  white, and total erythrocyte counts of adult female rats, effects of ether anesthesia upon, 1070
Centrifuge washing, micro-decanter for, 881
Chemical composition and antigenic properties of polysaccharide fraction of three-hour cultures of Staphylococcus aureus, 1054
Chemotherapeutic sulfa drugs upon growth of α-hemolyticus Streptococcus, 454
Chemotherapy, penicillin, ineffective, of arthritic rats infected with pleuropneumonia-like organisms, 372
Chicago area, occurrence of members of genus Salmonella in inhabitants of state hospitals of, 375
Chick, P. lophurae in, effect of heparin on, 840
Children, organ weights of, nomogram for, 1300
Chip-bone grafts, repair of cranial defects by, 546
Chlorophyll, study of its water-soluble derivatives, 241
Cholesterol, total and free, determination of, 875
Choline deficiency studies in dogs, 1109
Circa 42, new itch remedy, 177
Cirrhosis, hepatic, syphilitic aortitis, myocarditis, general considerations on pathogenesis, 139
Citrate utilization, medium for determination of, by colon bacteria, 306
Clinical method for studying factor of human relations in disease, 1
  use of oral thermometers, 179
    of phthalylsulfathiazole, 785
Clot, plasma, tensile strength of, 282
Cold agglutination, vasospastic factor in serum of case of Raynaud's disease with, 1074
  agglutinins in tuberculosis, 936
  fraction, 1082
  hemagglutination reactions in tuberculosis, 270
Cold-susceptible globulin fraction of pathologic sera, 1082
Collodion particle agglutination in protein-antiprotein systems, 352
Colon bacteria, medium for determination of citrate utilization by, 306
  surgery of, phthalylsulfathiazole as adjuvant in, 798
Color, photographs of fluorescence phenomena in, inexpensive method of publishing, 1207
  photography of fixed pathologic specimens, 994
  plates, 262, 470, 996, 1094, 1208, 1212
Colorimeter, optical, and spectrophotometer, microdetermination of amino acid nitrogen in blood with, 222
Colorimetric determination of traces of metals, 782 (B. Rev.)
Colorimetry, box comparator, adaptation of direct biuret method for determination of serum proteins to, 436
Commercial penicillin, acute toxicity of, 809
Comparative results with transdermal (or transcutaneous) and intracutaneous tuberculin tests, 398
Compleat pediatrician, 560 (B. Rev.)

Compounds, acridine, antibacterial effects of, 134, 1177
gold, in rats, toxicity of, 1168
Coronary disease associated with short PR interval and prolonged QRS, 673
Correspondence, 783
Cotton hose as vehicle for fungicide in treatment of athlete's foot, 606
Coverslips, glass, processed glue as substitute for, in histologic technique, 1294
Cranial defects, repair of, by cast chip-bone grafts, 546
Creatine, role of, in cell growth in vitro and its use in wound healing, 483
Creatinine, blood, elevated, prognostic significance of, 1001
Cultivation and preservation of diplococcus pneumoniae and mycobacterium tuberculosis in market eggs, 532
Culture media, bacteriologic maintenance of moisture in, 751
time and temperature guide for inspissating, 526
Cultures, aerobic and anaerobic, of wounds, gentian violet-blood agar plates used in, 1090
gonococcus, delayed, solid medium for transportation of, 314
P. notatum, simple apparatus for periodic testing of, 749

D

Dark-field diagnosis of penile lesions, 82
Deaths following use of local anesthetics in transcricoid therapy, 478
Decompensation, cardiac, relationship between blood volume and blood specific gravity in recovery from, 390
Depressants, surface tension, determination of phenol coefficients in presence of, 767
Desiccation, resistance of Melbourne strain of influenza virus to, 37
Detection of nitrate reduction, modified test for, 404
Device for protection of microtome sections, 525
mechanical, for making multiple paraffin rings for slide precipitation tests for syphilis, 1100
restraining, for hematological work with rats and mice, 981
viewing, for reading Kahn reactions, 752
Kahn, with standard illumination for reading tubes in rack, 755
Diabetes, alloxan, in dogs, 510
juvenile, insulin sensitivity, 366
treatment of, simplification, 168
Diabetic life, control by diet and insulin, 886 (B. Rev.)
Diagnosis and treatment of epidemic cerebrospinal meningitis, 585
dark-field, of penile lesions, 82
laboratory, of tuberculosis, 75
medical, 1210 (B. Rev.)
of malaria, laboratory aids in, 518
of pneumonia, "reverse" typing as aid in, 1203
of tularemia, rapid agglutination test for, 976
Diarrheas, treatment of, with phthalylsulfathiazole, 796
Diathermy, short wave, effect of heat produced by, on activity of muscle, 609
Diet and insulin, control by, in diabetes, 886 (B. Rev.)
Diethylstilbestrol, chemical and morphologic responses to, 1062
Diets, elimination, and patient's allergies, 886 (B. Rev.)
"Digestion" of metal in stomach, 687
Di-(hydroxyphenyl) alkanes, bactericidal activity of some, 254
Dogs, alloxan diabetes in, 510
blood pressure of, simple auscultatory technique for estimation of, 97
choline deficiency studies in, 1109
hematologic actions of acetanilid and acetophenetidin in, 942
natural occurrence of tularemia in, used as source of canine distemper virus, 906
reactions in blood and organs of, on intravenous injection of hemoglobin solution, 628
Diplococcus pneumoniae and mycobacterium tuberculosis, cultivation and preservation of, in market eggs, 532
Disease, coronary, associated with short PR interval and prolonged QRS, 673
creatinine content of blood in, 1004
human relations in, clinical method for studying, 1
hypertensive, and hypertension, 998 (B. Rev.)
Raynaud's, with cold agglutination, vasospastic factor in serum of case of, 1074
Diseases, heart, 999 (B. Rev.)
Disinfectants, bacteriostatic activity of, rapid method for estimating, 312
Dispenser, Carr-Price reagent, modified Koch pipette for, 992
Distemper virus, natural occurrence of tularemia in dogs used as source of, 906
Diuretic therapy, combined, studies in, 486
Drop recorder, electron tube, 410
Drugs, sulfa, effect of, upon growth of α-hemolyticus Streptococcus, 454
Dye T-1824, effects of vitamin D on capillary permeability by use of, 48
method for determination of blood volume with, 1266

E

EA-1, pharmacologic action of, 150
Eberthella typhosa, purified pyrogen from, 58
Editorial policy, 781
Eggs, cultivation and preservation of diplococcus pneumoniae and mycobacterium tuberculosis in, 532
Electrode paste, adhesive nondrying, 81
Electrolytes affecting blood volume, therapy of migraine by, 709
Electron tube drop recorder, simple, 410
Elliptocytosis, 185
Endocarditis, pneumococcic mural, association of, with acute interstitial pancreatitis, 590
subacute bacterial, confined to pulmonic valve with malformed leaflets, 825
Eosinophilia, local, in malignant neoplasms, 820
Epidemic cerebrospinal meningitis, diagnosis and treatment of, 585
Erythroblasts, giant orthochromatic, 127
Erythrocyte counts of adult female rats, effects of ether anesthesia upon, 1070
Erythrocytes, clumping of, in Hayem's diluting fluid, grave prognostic sign, 624
effect in vitro of propylene glycol on, 197
reversibility of sensitization of, 684
Estradiol, chemical and morphologic responses to, 1062
Estrogens, serial biopsy studies of effects of, on liver, 1062
Estrone, effect of, on anaerobic glycolysis of uterus of rat in vitro, 957
Ether anesthesia, effects of, upon total erythrocyte and white cell counts of adult female rats, 1070
Ethyl alcohol in blood, micromethod for determination of, 429
Experimental hypertension, sympatholytic treatment of, 1217
Experiments, animal, simple ventilation recorder for, 1205
Extracts, tissue, micro-mincer for preparation of, 1104
Extremities of man, vascular responses in, in health and disease, 782 (B. Rev.)
Eyes, color photography of, after fixation, 996

F

Facial and body prosthesis in relation to war wounds, 667
Feces of chronic invalids, plasma-coagulating staphylococci in, 938
Fever, artificially induced, effect of, on anaphylactic shock in actively sensitized guinea pigs, 614
Fibroblasts in tissue culture, growth of, effect of water-soluble chlorophyll derivatives and other agents upon, 241
Flicker, reappearance of, at high flash frequency in patients with brain pathology and in normal subjects, 63

Fluids for intravenous use, leucocytosis as index of pyrogenicity in, 735
Fluorescence microscopy, staining tubercle bacilli in, comparison of procedures for, 218
phenomena, photographs of, in color, inexpensive method of publishing, 1207
Food infection, Salmonella, in military personnel, 1042
Fraction, globulin, cold-susceptible, of pathologic sera, 1082
polysaccharide, of three-hour cultures of Staphylococcus aureus, chemical composition and antigenic properties of, 1054
Freezing-drying of tissues for storage, apparatus for, 657
Frog, South African clawed, reaction of, to human pregnancy serum, 527
Fungi, bacteria, and spirochetes in sections from paraffin-embedded tissue blocks, silver stain for demonstration of, 868
Fungicide, cotton hose as vehicle for, in treatment of athlete's foot, 606

G

Gastric mucus smears, permanent metachromatic staining of, 321
Gentian violet-blood agar plates used in aerobic and anaerobic cultures of wounds, 1090
Germicidal action of cadmium chloride, adjuvant effect of aerosol upon, 689
Germicides, penetrating power of, method to determine, 413
Giant orthochromatic erythroblasts, 127
Glass coverslips, processed glue as substitute for, in histologic technique, 1294
Glucose, blood microdetermination of, 113
Glue, processed as substitute for glass coverslips in histologic technique, 1294
Glycogen metabolism in liver under fasting conditions, 106
Glycogenesis, new technique for measurement of, 106
Gold compounds in rats, toxicity of, 1168
reaction, significance of pH in, 970
Gonads and adrenals, effect of, on absorption of subcutaneous sesame oil, 850
Gonococcus cultures, delayed, solid medium for transportation of, 314
Gonorrhea, sulfonamide-resistant, treated with urea and sulfonamide by mouth, 889
Grafts, cast chip-bone, repair of cranial defects by, 546
Guide, time and temperature, for inspissating culture media, 526
Guinea pigs, actively sensitized, anaphylactic shock in, effect of artificially induced fever on, 614

H

Hair, human, occurrence of arsenic in, and medicolegal significance, 439
Hand, influenza virus on, persistence of, 121
Hayem's diluting fluid, clumping of erythrocytes in, grave prognostic sign, 624
Head injuries, 68
Heart diseases, 999 (B. Rev.)
muscle and blood in uremia, cardiotoxic substances in, 715
rate and blood pressure, variability of, in selected groups of college and high school students, 1139
Heat produced by short wave diathermy, effect of, on activity of muscle, 609
Hematocrit tube, new, 301
Hematologic actions of acetanilid and acetophenetidin in dog, 942
complications of therapy with radioactive phosphorus, 1020
work, improved restraining device for rats and mice, 981
Hemochromatosis, mobilization of iron in, with administration of various chemicals, 742
Hemoglobin solution, intravenous injection of, reactions in blood and organs of dogs on, 628
Hemolysis, per cent, methemoglobin-oxyhemoglobin ratio and, in stored blood, method for simultaneous determination of, 99
α-Hemolyticus Streptococcus, effect of chemotherapeutic sulfa drugs upon growth of, 454
Hemophilus pertussis infection in mice, active and passive immunity in, 21
Hemorrhage, bilateral adrenal (Waterhouse-Friderichsen syndrome) associated with meningococcal septicemia, 357
Heparin, effect of, on phagocytosis, 840
standardization and assay of, by toluidine blue and azure A reactions (correction), 117
Hepatic cirrhosis, syphilitic aortitis, myocarditis, general considerations on pathogenesis, 139
Hippuric acid excretion test, reaction following, 188
Histologic technique, application of processed glue as substitute for glass coverslips in, 1294
Holder, multiple rabbit, 308
Home-canned beets, botulism from, 702
Homemade mechanical pipette, 872
Homicide investigation, 885 (B. Rev.)
Hormones, fat-soluble, vehicle for intravenous administration of, 530
steroid, propylene glycol as menstruum for administration of, 1256
Hose, cotton, as vehicle for fungicide in treatment of athlete's foot, 606
Human hair, occurrence of arsenic in, and medicolegal significance, 439
hand, persistence of influenza virus on, 121
infant, neuromuscular maturation of, 230 (B. Rev.)
inheritance, studies in, 1211
plasma, recalcified, serum from, suitability of, for serodiagnostic tests for syphilis, 1287
pregnancy serum, reaction of Xenopus laevis daudin (South African clawed frog) to, 527
relations in disease, clinical method for studying factor of, 1
sera, normal staphylococcus antitoxin titers in, 1162
serum treatment of atypical pneumonia, 493
sperm, care of, 211
Humidity and temperature, effect of, on oxygen toxicity, 1134
Hypertension and hypertensive disease, 998 (B. Rev.)
experimental, sympatholytic treatment of, 1217

I

Immunity, active and passive, in experimental Hemophilus pertussis infection in mice, 21
Implantation, intraperitoneal, of reconstituted desiccated muscle, shock from, 339
Indirect sphygmomanometry, 638
"Inductograph," application of, to registration of movements, particularly of body structures such as pyloric sphincter, 863
Infant, neuromuscular maturation of, 230 (B. Rev.)
premature, meningitis in, due to proteolytic Gram-negative bacillus, 500
Infection, experimental Hemophilus pertussis, active and passive immunity in, in mice, 21
food, Salmonella, in military personnel, 1042
Infections, malaria, avian, apparent advantage of frequently administered quinine in, 43
meningococcic purpuric lesions in, 273
nonsyphilitic, persistence of falsely positive serologic tests for syphilis in, 473
Influenza virus on human hand, persistence of, 121
resistance of Melbourne strain of, to desiccation, 37
Ingestion of large quantities of protein and amino acids, 963
Inhalational therapy, principles and practices of, 887 (B. Rev.)
Inheritance, human, studies in, 1211
Injection, intramuscular, oils used for, 259
intravenous, of hemoglobin solution, reactions in blood and organs of dogs on, 628
of ultra short-acting anesthetics in mice, 296

Injection—Cont'd
subcutaneous, of urine and urinary extracts from rheumatoid patients into rats, 19
Insulin and diet, control by, in diabetes, 886 (B. Rev.)
in diabetes, 172
sensitivity, juvenile diabetes, 366
stupor in schizophrenic patient, extreme resistance to, 55
Intestinal antiseptic, value of sulfathiazole as, 794
protozoa, Mallory's phosphotungstic acid hematoxylin for staining, 534
Intoxication, barbiturate, picrotoxin treatment and, 265
Intracutaneous and transdermal tuberculin tests, comparative results with, 398
Intradermal test for vitamin C subnutrition, 464
Intramuscular injections, oils used for, 259
Intrathoracic pressure, cannula for measuring, 984
Intravenous administration of fat-soluble hormones, vehicle for, 530
injection of hemoglobin solution, reactions in blood and organs of dogs on, 628
use, fluids for, leucocytosis as index of pyrogenicity in, 735
Investigation, homicide, 885 (B. Rev.)
Iodine applicator, mechanical, 664
Iron, mobilization of, in hemochromatosis, with administration of various chemicals, 742
Isopropyl alcohol, acute and chronic toxicity of, 561
Itch remedy, Circa 42, 177

J

Juvenile diabetes insulin sensitivity, 366

K

Kahn reactions, viewing device for reading, 752
shaker, paraffin tissue preparations utilizing, 304
viewing device with standard illumination for reading tubes in rack, 755
Koch pipette, modified, for Carr-Price reagent dispenser, 992

L

Laboratory aids in diagnosis of malaria, 518
diagnosis of tuberculosis, 75
polychrome stain for use in, 1094
small, method of obtaining compressed air for, 745
supports, 536
tests of oximeter with automatic compensation for vasomotor changes, 987
Lesions, penile, dark-field diagnosis of, 82
purpuric, in meningococcic infections, 273
Leucocytes, effect in vitro of propylene glycol on, 203
Leucocytosis as index of pyrogenicity in fluids for intravenous use, 735
Liver damage, severe, reaction following ingestion of sodium benzoate in patient with, 188
glycogen metabolism in, under fasting conditions, 106
serial biopsy studies of effects of estrogens on, 1062
Local anesthetics in transcricoid therapy, deaths following use of, 478
eosinophilia in malignant neoplasms, 802
Lonchocarpus H.B.K. (timbó), allergy from, 939
Lyophilization, sterile, of small amounts of material, simple inexpensive apparatus for, 978
Lysolecithin and antihemolytic value of blood, 1123

M

Macrocytic anemia, nutritional, in patients with pellagra or vitamin B complex deficiency, 1226
Macroscopic determination of blood groups A and B, 763
Malaria, diagnosis, laboratory aids in, 518
treatment, prophylaxis, 1307 (B. Rev.)
infections, avian, apparent advantage of frequently administered quinine in, 43
Malarial parasites, simple acid water solution for better visualization of, using Wright's stain for thick blood films, 1103
Vi agglutinative properties for Bacterium typhosum demonstrated following infection with, 916
Malignant neoplasms, local eosinophilia in, 820
Mallory's phosphotungstic acid hematoxylin for staining intestinal protozoa, 534
Manual and mechanical resuscitation in experimental asphyxia, 695
Mapharsen and neoarsphenamine, biliary excretion of, effect of bile acids on, 853
Maturation, neuromuscular, of human infant, 230 (B. Rev.)
Mechanical and manual resuscitation in experimental asphyxia, 695
device for making multiple paraffin rings for slide precipitation tests for syphilis, 1100
iodine applicator, 664
pipette, homemade, 872
Media, culture, bacteriologic maintenance of moisture in, 751
time and temperature guide for inspissating, 526
Medical diagnosis, 1210 (B. Rev.)
illustration, 546, 667, 994, 1207
students, biochemistry for, 450 (B. Rev.)
Medicolegal significance of arsenic in human hair, 439
Medium for determination of citrate utilization by colon bacteria, 306
solid, for transportation of delayed gonococcus cultures, 314
Melbourne strain of influenza virus, resistance of, to desiccation, 37
Meningitis, epidemic cerebrospinal, diagnosis and treatment of, 585
in premature infant due to proteolytic Gram-negative bacillus, 500
Meningococcal septicemia, bilateral adrenal hemorrhage (Waterhouse-Friderichsen syndrome) associated with, 357
Meningococcic infections, purpuric lesions in, 273
Metabolism, glycogen, in liver under fasting conditions, 106
Metachromatic staining, permanent, of gastric mucus smears, 321
Metal, "digestion" of, in stomach, 687
Metals, traces of, colorimetric determination of, 782 (B. Rev.)
Methemoglobin-oxyhemoglobin ratio and per cent hemolysis in stored blood, method for simultaneous determination of, 99
Method, assay, for penicillin and similar substances, 319
clinical, for studying factor of human relations in disease, 1
for determination of blood volume with dye T-1824, 1266
of penetrating power of germicides, 413
of thiouracil in tissues and body fluids, 329
for estimating bacteriostatic activity of disinfectants, 312
serum atabrine concentration, 1303
for mounting gross pathologic specimens in Petri dishes, 91
for obtaining compressed air for small laboratory, 745
for paraffin tissue preparations utilizing Kahn shaker, 304
for publishing photographs of fluorescence phenomena in color, 1207
for recovery of penicillin from urine, 769
for simultaneous determination of methemoglobin-oxyhemoglobin ratio and per cent hemolysis in stored blood, 99
quick paraffin, for small biopsies, 74
selenium, for determination of nonprotein nitrogen, 666
2-Methylaminoheptane (EA-1), pharmacologic action of, 150
Methylene violet, role of, in Romanovsky staining of blood films, 1181
Mice, active and passive immunity in experimental Hemophilus pertussis infection in, 21

Mice—Cont'd
apparatus for constant rate intravenous injection of ultra short-acting anesthetics in, 296
improved restraining device for hematological work with, 981
methods of infecting, 21
Micro-decanter for centrifuge washing, 881
Microdetermination of blood glucose, 113
Micromethod for determination of ethyl alcohol in blood, 429
Micro-mincer to facilitate preparation of tissue extracts, 1104
Microscopic observation of collodion particle agglutination in protein-antiprotein systems, 352
Microscopy, fluorescence, staining tubercle bacilli in, comparison of procedures for, 218
Microtome sections, device for protection of, 525
Micrurgical and germ-free techniques, 119 (B. Rev.)
Migraine, therapy of, by electrolytes affecting blood volume, 709
Military personnel, Salmonella food infection in, 1042
Mobilization of iron in hemochromatosis with administration of various chemicals, 742
Moisture, maintenance of, in bacteriologic culture media, 751
Mounting gross pathologic specimens in Petri dishes, 91
Mural endocarditis, pneumococcic, association of, with acute interstitial pancreatitis, 590
Muscle, activity of, effect of heat produced by short wave diathermy on, 609
desiccated, reconstituted, shock from intraperitoneal implantation of, 339
Mycobacterium tuberculosis and diplococcus pneumoniae, cultivation and preservation of, in market eggs, 532
Myocarditis, syphilitic aortitis, hepatic cirrhosis, general considerations on pathogenesis, 139

N

Neoarsphenamine and mapharsen, biliary excretion of, effect of bile acids on, 853
Neoplasms, malignant, local eosinophilia in, 820
Neuromuscular maturation of human infant, 230 (B. Rev.)
Nitrate reduction, modified test for detection of, 404
Nitrogen, nonprotein, selenium method for determination of, 666
Nodal rhythm and bundle branch block following aspirin hypersensitivity, 595
Nomogram for organ weights of children, 1300
Nutritional macrocytic anemia in patients with pellagra or vitamin B complex deficiency, 1226
status of Staphylococcus aureus as influenced by proflavine, 383

O

Oils used for intramuscular injections, 259
Opium alkaloids, pharmacology of, 450 (B. Rev.)
Oral thermometers, clinical use of, 179
Organ weights of children, nomogram for, 1300
Oscillometer and thermocouple as diagnostic aids in peripheral vascular disease, 1147
Oximeter with automatic compensation for vasomotor changes, laboratory test of, 987
Oxygen toxicity, effect of humidity and temperature on, 1134

P

P. lophurae in chick, effect of heparin on, 840
P. notatum flask cultures, simple apparatus for periodic testing of, 749
Pancreatitis, acute interstitial, association of, with acute pneumococcic mural endocarditis, 590
Pandy test and total protein content of spinal fluid, relation between, 542
Pappenheim stain, stable modification, 207
Paraffin method, quick, for small biopsies, 74
rings, multiple, mechanical device for making, for slide precipitation tests for syphilis, 1100
tissue preparations utilizing Kahn shaker, simple rapid method for, 304
Parkinson's disease, 67
Paroxysmal tachycardia, transient T-wave inversion following, 598
Paste, electrode, adhesive nondrying, 81
Pathogenesis, general considerations on; syphilitic aortitis, myocarditis, hepatic cirrhosis, 139
Pathognostic seroflocculation, 1198
Pathologic conditions, seroflocculation with new group of antigens in, 1198
sera, cold-susceptible globulin fraction of, 1082
specimens, fixed color photography of, 994
Pediatrician, compleat, 560 (B. Rev.)
Pellagra, patient with, nutritional macrocytic anemia in, 1226
Penicillin chemotherapy, ineffective, of arthritic rats infected with pleuropneumonia-like organism, 372
commercial, acute toxicity of, 809
convenient assay method for, 319
recovery of, from urine, 769
Penile lesions, dark-field diagnosis of, 82
Peripheral arterial pressure in rabbit's ear, simple apparatus for determining, 214
vascular disease, oscillometer and thermocouple as diagnostic aids in, 1147
pH in gold reaction, significance of, 970
Phagocytosis, effect of heparin on, 840
Pharmacologic action of 2-methylaminoheptane (EA-1), 150
Pharmacology of opium alkaloids, 450 (B. Rev.)
Phenol coefficients, determination of, in presence of surface tension depressants, 767
Phosphorus, radioactive, hematologic complications of therapy with, 1020
Photographs of fluorescence phenomena in color, inexpensive method for publishing, 1207
Photography, color, of fixed pathologic specimens, 994
Phthalylsulfathiazole, clinical use of, 785
Physical diagnosis, applied, 1210 (B. Rev.)
Picrotoxin treatment and barbiturate intoxication, 265
Pipette, automatic, simple, 747
Koch, modified, for Carr-Price reagent dispenser, 992
mechanical homemade, 872
modified, for prothrombin determinations, 986
Plasma clot tensile strength, 282
human, recalcified, serum from, for serodiagnostic tests for syphilis, 1287
Plasma-coagulating staphylococci in feces of chronic invalids, 938
Plates, blood agar, 538
Pleuropneumonia-like organisms, arthritic rats infected with, ineffective penicillin chemotherapy of, 372
Pneumococcal pneumonia, treatment of, with sulfamethazine, 568
Pneumococcic mural endocarditis, association of, with acute interstitial pancreatitis, 590
Pneumonia, atypical, human serum treatment of, 493
pneumococcal, treatment of, with sulfamethazine, 568
"reverse" typing as aid in diagnosis of, 1203
Policy, editorial, 781
Polychrome methylene blue-eosin stains, 1097
No. 28, simplified stain for use in clinical laboratory, 1094
Polysaccharide from tubercle bacillus, 231
PR interval, short, and prolonged QRS, coronary disease associated with, 673
Pregnancy hormone test, use of albino rat in, 419
in juvenile diabetes, 369
serum, human, reaction of Xenopus laevis daudin (South African clawed frog) to, 527

Preservation of, cultivation and, of diplococcus pneumoniae and mycobacterium tuberculosis in market eggs, 532
Proflavine, nutritional status of Staphylococcus aureus as influenced by, 383
Promegaloblast, 127
Pronormoblast, 127
Propylene glycol as menstruum for administration of steroid hormones, 1256
effect in vitro of, on erythrocytes, 197
on leucocytes, 203
Prosthesis, facial and body, in relation to war wounds, 667
Protein and amino acids, ingestion of large quantities of, 963
content of spinal fluid and Pandy test, relation between, 542
serum, concentration, relationship of blood iso-agglutinin titers to, 1156
Protein-antiprotein systems, microscopic observation of collodion particle agglutination in, 352
Proteins, serum, determination of, adaptation of direct biuret method to box comparator colorimetry, 436
Proteinuria, simplified and rapid test for, 228
Prothrombin determinations, modified pipette for, 986
Psychiatry, borderlands of, 119 (B. Rev.)
fundamentals of, 884 (B. Rev.)
Pulmonary disease, chronic, in South Wales coalminers, 119 (B. Rev.)
Pulmonic valve with malformed leaflets, subacute bacterial endocarditis confined to, 825
Purpuric lesions in meningococcic infections, 273
Pyloric sphincter, application of "inductograph" to registration of movements of, 863
Pyrogen, purified, from Eberthella typhosa, 58
Pyrogenicity, leucocytosis as index of, in fluids for intravenous use, 735

Q

QRS, prolonged, and short PR interval, coronary disease associated with, 673
Quinine in avian malaria infections, apparent advantage of frequently administered, 43

R

Rabbit box, 303
holder, multiple, 308
Rabbits, experiments on, Raynaud's disease with cold agglutination, 1074
kidneys of, pathologic changes produced by prolonged administration of sulfapyrazine and sulfamethyldiazine in, compared with sulfathiazole and sulfadiazine, 574
peripheral arterial pressure in ears of, simple apparatus for, 214
Rabies, 120 (B. Rev.)
Radioactive phosphorus, hematologic complications of therapy with, 1020
Rats, adult female, effects of ether anesthesia upon total erythrocyte and white cell counts of, 1070
albino, absorption of sulfonamides from gastrointestinal tract of, 921
use of, in pregnancy hormone test, 419
arthritic, infected with pleuropneumonia-like organisms, ineffective penicillin chemotherapy of, 372
effect of estrone on anaerobic glycolysis of uterus of, 957
of subcutaneous injection of urine and urinary extracts from rheumatoid patients into, 19
improved restraining device for hematological work with, 981
toxicity of gold compounds in, 1168
Raynaud's disease with cold agglutination, vasospastic factor in serum of case of, 1074
Reaction following ingestion of sodium benzoate in patient with severe liver damage, 188
of Xenopus laevis daudin (South African clawed frog) to human pregnancy serum, 527
Reactions, cold hemagglutination, in tuberculosis, 270
in blood and organs of dogs on intravenous injection of hemoglobin solution, 628
Kahn, viewing device for, 752
Recorder, drop, electrone tube, 410
ventilation, simple, for animal experiments, 1205
Relationship between blood volume and blood specific gravity in recovery from cardiac decompensation, 390
Pandy test and total protein content of spinal fluid, 542
Remedy, itch, Circa 42, 177
Renin, low temperature incubation with, assay of renin substrate by, 633
substrate, assay of, by low temperature incubation with renin, 633
Repair of cranial defects by cast chip-bone grafts, 546
Restraining device, improved, for hematological work with rats and mice, 981
Resuscitation, manual and mechanical, in experimental asphyxia, 695
Rheumatoid patients, effect of subcutaneous injection of urine and urinary extracts from, into rats, 19
Romanovsky staining of blood films, and role of methylene violet, 1181

S

Salmonella anatum, 1042
food infection in military personnel, 1042
oranienburg, 1042
types, occurrence of, in inhabitants of state hospitals of greater Chicago area, 375
typhi murium, 1042
Salts, effect of, on activity of sulfacetamide, 462
Saturation test, ascorbic acid, 324
Schizophrenic patient, insulin stupor in, extreme resistance to, 55
Selenium method for determination of nonprotein nitrogen, 666
Sensitization of erythrocytes, reversibility of, 684
Septicemia, meningococcal, bilateral adrenal hemorrhage (Waterhouse-Friderichsen syndrome) associated with, 357
Sera, human, normal, staphylococcus antitoxin titers in, 1162
Seroflocculation with new group of antigens in some pathologic conditions, 1198
Serum atabrine concentration, simple method for estimating, 1303
blood, determination of tocopherol in, 772
from recalcified human plasma, suitability of, for serodiagnostic test for syphilis, 1287
of case of Raynaud's disease with cold agglutination, vasospastic factor in, 1074
protein concentration, relationship of, to blood iso-agglutinin titers, 1156
proteins, determination of, adaptation of direct biuret method to box comparator colorimetry, 436
stabilizing, for blood typing, 766
treatment, human, of atypical pneumonia, 493
Sesame oil, effect of gonads and adrenals on absorption of, 850
Shock, anaphylactic, in actively sensitized guinea pig, effect of artificially induced fever on, 614
from intraperitoneal implantation of reconstituted desiccated muscle, 339
patients in, determination of blood volume in, 1273
Short wave diathermy, effect of heat produced by, on activity of muscle, 609
Sickness, altitude, possible allergic factor in, 831
Silver stain for demonstration of bacteria, spirochetes, and fungi in sections from paraffin-embedded tissue blocks, 868
Smears, gastric mucus, permanent metachromatic staining of, 321
Sodium benzoate, reaction following ingestion of, in patient with severe liver damage, 188

Solution, simple acid water, for better visualization of malarial parasites using Wright's stain for thick blood films, 1103
urease, concentrated, more stable, preparation of, 337
Solutions, staining, self-buffering, 1097
South African clawed frog, reaction of, to human pregnancy serum, 527
South Wales coalminers, chronic pulmonary disease in, 119 (B. Rev.)
Specimens, fixed pathologic, color photography of, 994
gross pathologic, method of mounting, in Petri dishes, 91
Spectrophotometer and optical colorimeter, microdetermination of amino acid nitrogen in blood with, 222
Sperm, human, care of, 211
Sphygmomanometer cuff, effect of distal application of, on localized venous pressure and aid in venipuncture, 539
Sphygmomanometry, indirect, 638
Spinal fluid, total protein content of, and Pandy test, relation between, 542
Spirochetes, bacteria, and fungi in sections from paraffin-embedded tissue blocks, silver stain for demonstration of, 868
Splenic tissue, traumatic autograft of, in body wall, 247
Stain, Mallory's phosphotungstic acid hematoxylin, for intestinal protozoa, 534
Pappenheim, stable modification, 207
Polychrome No. 28, for use in clinical laboratory, 1094
silver, for demonstration of bacteria, spirochetes, and fungi in sections from paraffin-embedded tissue blocks, 868
Wright's polychrome methylene blue-eosin, 1097
Staining, metachromatic, permanent, of gastric mucus smears, 321
Romanovsky, of blood films and role of methylene violet, 1181
solutions, self-buffering, 1097
tubercle bacilli in fluorescence microscopy, comparison of procedures for, 218
Staphylococci, plasma-coagulating, in feces of chronic invalids, 938
Staphylococcus antitoxin titers in normal human sera, 1162
aureus, nutritional status of, as influenced by proflavine, 383
polysaecharide fraction of three-hour cultures of, chemical composition and antigenic properties of, 1054
Sternal bone marrow in the aged, 508
Steroid hormones, propylene glycol as menstruum for administration of, 1256
Stomach, "digestion" of metal in, 687
Stupor, insulin, in schizophrenic patient, extreme resistance to, 55
Subacute bacterial endocarditis confined to pulmonic valve with malformed leaflets, 825
Subnutrition, vitamin C, intradermal test for, 464
Sulfacetamide, effect of certain salts on activity of, 462
Sulfadiazine, acute macrocytic hemolytic anemia following administration of, 347
and sulfathiazole, prolonged administration of sulfapyrazine and sulfamethyldiazine in kidneys of rabbits compared with, 574
Sulfamerazine and sulfapyrazine, prolonged administration of, in kidneys of rabbits as compared with sulfathiazole and sulfadiazine, 574
therapy, acute agranulocytosis during, 899
Sulfamethazine treatment of pneumococcal pneumonia, 568
Sulfamethyldiazine (sulfamerazine) and sulfapyrazine, prolonged administration of, in kidneys of rabbits as compared with sulfathiazole and sulfadiazine, 574
Sulfapyrazine and sulfamethyldiazine (sulfamerazine), prolonged administration of, in kidneys of rabbits as compared with sulfathiazole and sulfadiazine, 574
Sulfathiazole and sulfadiazine, prolonged administration of sulfapyrazine and sulfamethyldiazine in kidneys of rabbits compared with, 574
Sulfonamide and urea by mouth for sulfonamide-resistant gonorrhea, 889
determination in blood using xylenesulfonic acid as protein precipitant, 879
Sulfonamides, absorption of, from gastrointestinal tract of albino rats, 921
effect of, upon growth of α-hemolyticus Streptococcus, 454
Supports, laboratory, 536
Surface tension depressants, determination of phenol coefficients in presence of, 767
Symptoms, analysis and interpretation of, 999 (B. Rev.)
Syndrome, Waterhouse-Friderichsen, 703
Syphilis, mechanical device for making multiple paraffin rings for slide precipitation tests for, 1100
persistence of falsely positive serologic tests for, in nonsyphilitic infections, 473
serodiagnostic tests for, suitability of serum from recalcified human plasma for, 1287

T

Tachycardia, paroxysmal, transient T-wave inversion following, 598
Technique for measurement of glycogenesis, 106
simple auscultatory, for estimation of blood pressure of dogs, 97
Techniques, micrurgical and germ-free, 119 (B. Rev.)
Telangiectasia, multiple, homozygous form of, 1211
Temperature and humidity, effect of, on oxygen toxicity, 1134
and time guide for inspissating culture media, 526
Tensile strength of plasma clot, 282
Test, agglutination, rapid, for diagnosis of tularemia, 976
ascorbic acid saturation, 324
cold autoagglutination, 271
isoagglutination, 270
creatinine clearance, 1015
for pregnancy, reaction of Xenopus laevis daudin (South African clawed frog) to human pregnancy serum, 527
for proteinuria, simplified and rapid, 228
intradermal, for vitamin C subnutrition, 464
modified, for detection of nitrate reduction, 404
Pandy, and total protein content of spinal fluid, relation between, 542
pregnancy hormone, use of albino rat in, 419
Testing, periodic, of P. notatum flask cultures, simple apparatus for, 749
splenic, traumatic autograft of, in body wall, 247
Tests for syphilis, serodiagnostic, suitability of serum from recalcified human plasma for, 1287
laboratory, of oximeter with automatic compensation for vasomotor changes, 987
serologic, falsely positive, persistence of, for syphilis in nonsyphilitic infections, 473
slide precipitation, for syphilis, mechanical device for making multiple paraffin rings for, 1100
tuberculin, transdermal and intracutaneous, comparative results, 398
Texto de bacteriologia, 118 (B. Rev.)
Therapy, diuretic, combined, studies in, 486
inhalational, principles and practices of, 887 (B. Rev.)
of migraine by electrolytes affecting blood volume, 709
sulfamerazine, acute agranulocytosis during, 899
transcricoid, deaths following use of local anesthetics in, 478
with radioactive phosphorus, hematologic complications of, 1020
Thermocouple and oscillometer as diagnostic aids in peripheral vascular disease, 1147
Thermometers, oral, clinical use of, 179

Thiouracil in tissues and body fluids, methods for determination of, 329
Timbó (Lonchocarpus H.B.K.), allergy from, 939
Time and temperature guide for inspissating culture media, 526
Tissue blocks, paraffin-embedded, silver stain for demonstration of bacteria, spirochetes, and fungi in sections from, 868
culture, growth of fibroblasts in, effect of water-soluble chlorophyll derivatives and other agents upon, 241
extracts, micro-mincer for preparation of, 1104
Tissues, freezing-drying of, for storage, apparatus for, 657
thiouracil in, methods for determination of, 329
Tocopherol, determination of, in blood serum, 772
Toluidine blue and azure A reactions, standardization and assay of heparin by (correction), 117
Toxicity, acute and chronic, of isopropyl alcohol, 561
of commercial penicillin, 809
of gold compounds in rats, 1168
of yohimbine hydrochloride, 1222
oxygen, effect of humidity and temperature on, 1134
Transcricoid therapy, deaths following use of local anesthetics in, 478
Transcutaneous and intracutaneous tuberculin tests, comparative results with, 398
Transdermal and intracutaneous tuberculin tests, comparative results with, 398
Transportation of delayed gonococcus cultures, solid medium for, 314
Traumatic autograft of splenic tissue in body wall, 247
Treatment, human serum, of atypical pneumonia, 493
of athlete's foot, cotton hose as vehicle for fungicide in, 606
of diabetes, 168
of epidemic cerebrospinal meningitis, 585
of pneumococcal pneumonia with sulfamethazine, 568
of sulfonamide-resistant gonorrhea with urea and sulfonamide by mouth, 889
picrotoxin, and barbiturate intoxication, 265
sympatholytic, of experimental hypertension, 1217
Treponema pallidum, differential motility characteristics of, 82
Trichinosis, 1307 (B. Rev.)
Tube, hematocrit, new, 301
Tubercle bacilli, comparison of procedures for staining, in fluorescence microscopy, 218
bacillus, polysaccharide from, 231
Tuberculin tests, transdermal and intracutaneous, comparative results, 398
Tuberculosis, blood in, clinical significance of, 118 (B. Rev.)
cold agglutinins in, 936
hemagglutination reactions in, 270
laboratory diagnosis of, 75
Tularemia, diagnosis of, rapid agglutination test for, 976
human, isolation of Bacterium tularense from sputum of atypical case of, 903
in cats, 911
in chicks, 912
in dogs, natural occurrence of, used as source of canine distemper virus, 906
in laboratory animals, 913
in mice, 912
T-wave inversion, transient, following paroxysmal tachycardia, 598
Typing, "reverse", as aid in diagnosis of pneumonia, 1203
serum, 763

U

Ulcerative colitis, treatment of, with phthalylsulfathiazole, 797
Urea and sulfonamide by mouth, treatment for sulfonamide-resistant gonorrhea, 889
Urease solution, concentrated, more stable, preparation of, 337
Uremia, cardiotoxic substances in blood and heart muscle in, 715
Urinary extracts and urine from rheumatoid patients, effect of subcutaneous injection of, into rats, 19
Urine, ammonia in, determination of, 447
and urinary extracts from rheumatoid patients, effect of subcutaneous injection of, into rats, 19
recovery of penicillin from, 769

V

Vascular responses in extremities of man in health and disease, 782 (B. Rev.)
Vehicle for intravenous administration of fat-soluble hormones, 530
Venipuncture, effect of distal application of sphygmomanometer cuff on localized venous pressure and aid in, 539
Venous pressure, localized, effect of distal application of sphygmomanometer cuff on, and aid in venipuncture, 539
Ventilation recorder for animal experiments, 1205
Vertebral arteries, aneurysms of; consideration of their etiology, 28
Vertigo and related conditions, 680
Vi agglutinative properties for Bacterium typhosum demonstrated following infection with malaria parasites, 916
Viewing device for reading Kahn reactions, 752
Kahn, with standard illumination for reading tubes in rack, 755
Virus, influenza, Melbourne strain of, resistance of, to desiccation, 37
persistence of, on human hand, 121
Vitamin B complex deficiency, patients with, nutritional macrocytic anemia in, 1226
C subnutrition, intradermal test for, 464
D, effects of, on capillary permeability by use of dye T-1824, 48

W

War wounds, facial and body prosthesis in relation to, 667
Waterhouse-Friderichsen syndrome, 703
associated with meningococcal septicemia, 357
Weights, organ, of children, nomogram for, 1300
Wounds, aerobic and anaerobic cultures of, gentian violet-blood agar plates used in, 1090
healing, role of creatine in cell growth in vitro and its use in, 483
war, facial and body prosthesis in relation to, 667
Wright's polychrome methylene blue-eosin stain, 1097
stain for thick blood films, simple acid water solution for better visualization of malarial parasites using, 1103

X

Xenopus laevis daudin (South African clawed frog), reaction of, to human pregnancy serum, 527
Xylenesulfonic acid, as protein precipitant for sulfonamide determination in blood, 879

Y

Yohimbine hydrochloride, 1217
toxicity of, 1222

SIMPSON MEMORIAL INSTITUTE
ANN ARBOR, MICH.

The Journal of Laboratory and Clinical Medicine

CARL V. MOORE, M.D., EDITOR
600 South Kingshighway
St. Louis 10, Mo.

ASSOCIATE EDITORS

Pharmacology
DENNIS E. JACKSON, M.D.
University of Cincinnati, Cincinnati

Clinical Pathology
W. C. MACCARTY, M.D.
Mayo Clinic, Rochester, Minn.

T. B. MAGATH, M.D.
Mayo Clinic, Rochester, Minn.

Clinical Chemistry
VICTOR C. MYERS, PH.D.
Western Reserve University, Cleveland

EDWARD MUNTWYLER, PH.D.
Long Island College of Medicine, Brooklyn

Internal Medicine
GEORGE HERRMANN, M.D.
University of Texas, Galveston

Metabolism
CLIFFORD J. BARBORKA, M.D.
Northwestern University, Chicago

Tuberculosis
GERALD B. WEBB, M.D.
Colorado Springs, Colo.

Experimental Medicine
RUSSELL L. HADEN, M.D.
Cleveland Clinic, Cleveland

Immunology
JOHN A. KOLMER, M.D.
Temple University, Philadelphia

Bacteriology
M. H. SOULE, SC.D.
University of Michigan, Ann Arbor

Pathology
PAUL R. CANNON, M.D.
University of Chicago, Chicago

Medical Illustration
CARL D. CLARKE, PH.D.
University of Maryland, Baltimore

VOLUME 29
JANUARY—DECEMBER, 1944

ST. LOUIS
THE C. V. MOSBY COMPANY
1944

Copyright, 1944, By The C. V. Mosby Company
(All rights reserved)

Printed in the
United States of America

B9

Press of
The C. V. Mosby Company
St. Louis